

WASTEWATER TREATMENT PLANT
MONTHLY OPERATIONS REPORT
NHDES - NH0090000 005A 1A

State of New Hampshire
P.O. Box 95 Hazen Dr.
Concord, NH 03301

Facility: Pease ITP
Chief Operator: Paula Anania
MONTH: June 2016

June 2016 DATE	WASTEWATER FLOW IN MGD						CHLORINE RESIDUAL					pH SU	
	INFLUENT			EFFLUENT							DAY MAX	INF	EFF
	TOTAL	MIN	MAX	TOTAL	MIN	MAX	AM*	AM	PM*	PM			
1	0.545	0.30	0.90	0.738	0.41	0.94	13.6	0.01	8.3	0.01	0.00	7.4	7.2
2	0.551	0.31	0.92	0.610	0.41	0.85	11.6	0.00	8.8	0.01	0.00	7.4	7.2
3	0.548	0.32	4.00	0.679	0.00	2.19	4.5	0.01	7.5	0.03	0.00	7.3	7.2
4	0.475	0.35	0.75	0.626	0.35	0.80	7.6	0.01	11.7	0.01	0.00	7.2	7.2
5	0.434	0.26	0.78	0.533	0.35	0.94	10.0	0.01	10.4	0.00	0.00	7.4	7.2
6	0.552	0.33	1.18	0.798	0.42	1.35	11.6	0.01	13.0	0.01	0.00	7.2	7.2
7	0.547	0.34	0.89	0.636	0.42	0.73	8.6	0.01	5.5	0.06	0.00	7.5	7.3
8	0.534	0.34	0.83	0.638	0.42	0.73	11.0	0.01	11.0	0.02	0.00	7.4	7.3
9	0.514	0.30	0.87	0.814	0.56	1.74	11.8	0.01	12.3	0.01	0.00	7.3	7.2
10	0.456	0.28	0.87	0.522	0.05	1.69	10.3	0.02	9.4	0.01	0.00	7.4	7.2
11	0.324	0.20	0.49	0.504	0.48	0.59	11.1	0.02	9.4	0.02	0.00	7.2	7.2
12	0.355	0.16	0.60	0.504	0.48	0.59	9.4	0.01	9.2	0.01	0.00	7.1	7.2
13	0.461	0.23	0.87	0.619	0.27	1.12	10.9	0.01	10.5	0.02	0.00	7.3	7.3
14	0.482	0.26	0.86	0.737	0.27	1.21	9.0	0.01	10.7	0.01	0.00	7.4	7.1
15	0.499	0.25	0.81	0.586	0.34	1.40	11.1	0.01	6.2	0.02	0.00	7.5	7.2
16	0.505	0.25	0.87	0.678	0.00	1.99	13.8	0.01	7.5	0.00	0.00	7.5	7.3
17	0.467	0.27	0.78	0.646	0.00	0.96	12.3	0.08	9.9	0.01	0.00	7.4	7.2
18	0.365	0.20	0.55	0.486	0.34	0.74	11.6	0.01	11.4	0.01	0.00	6.8	7.3
19	0.367	0.19	0.56	0.492	0.34	0.64	6.3	0.00	5.3	0.00	0.00	7.3	7.3
20	0.493	0.23	0.85	0.705	0.36	1.17	9.7	0.03	11.7	0.01	0.00	6.9	7.2
21	0.517	0.28	0.85	0.608	0.35	0.76	12.3	0.01	12.0	0.01	0.00	7.4	7.3
22	0.496	0.24	0.91	0.743	0.35	1.60	12.3	0.01	9.5	0.01	0.00	7.7	7.3
23	0.508	0.22	1.04	0.674	0.34	1.08	10.6	0.01	5.1	0.01	0.00	7.5	7.2
24	0.479	0.25	0.89	0.593	0.00	1.41	10.2	0.01	12.0	0.02	0.00	7.3	7.3
25	0.342	0.22	0.56	0.493	0.33	0.65	11.6	0.00	11.7	0.00	0.00	7.4	7.3
26	0.346	0.19	0.62	0.430	0.35	0.51	12.6	0.00	10.7	0.00	0.00	7.5	7.3
27	0.443	0.18	0.85	0.697	0.34	1.32	12.7	0.00	10.8	0.00	0.00	7.5	7.3
28	0.447	0.23	0.80	0.606	0.35	1.25	11.4	0.00	6.7	0.00	0.00	7.8	7.3
29	0.487	0.29	0.87	0.717	0.34	1.35	14.5	0.00	4.2	0.00	0.00	7.3	7.1
30	0.471	0.26	0.85	0.700	0.35	1.40	9.0	0.00	7.3	0.00	0.00	7.5	7.1
TOTAL	14.010			18.812									
AVG	0.467			0.627			10.8	0.01	9.3	0.01	0.00		
MAX	0.552		4.00	0.814			14.5	0.08	13.0	0.06	0.00		7.3
MIN	0.324	0.16		0.430									7.1

*BEFORE DECHLOR

SIGNATURE: *Paula Anania*

Facility: Pease

MONTH: June 2016

June 2016 DATE	TSS MG/L		BOD MG/L		SLUDGE WET TONS	HYPO GALLONS	FECAL COLIFORM #/100 ML
	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT			
1	500.0	3.3	390.0	0.0		258.6	<1.0
2					14.94	262.6	<1.0
3						215.1	<1.0
4						251.9	<1.0
5						225.3	<1.0
6						187.1	<1.0
7	500.0	4.7	390.0	0.0	14.32	186.3	<1.0
8	464.0	2.2	390.0	0.0		82.7	<1.0
9						249.7	<1.0
10					14.37	301.7	<1.0
11						215.1	<1.0
12						190.2	<1.0
13						195.1	<1.0
14	620.0	2.7	480.0	6.0		235.9	<1.0
15	477.0	8.4	620.0	32.0	13.68	263.5	<1.0
16						227.1	<1.0
17						258.6	<1.0
18						242.6	<1.0
19						132.4	<1.0
20						159.1	<1.0
21	570.0	4.9	370.0	7.0	13.42	264.4	<1.0
22	583.0	1.3	650.0	0.0		208.4	<1.0
23					14.55	251.9	<1.0
24						226.2	<1.0
25						275.1	<1.0
26						245.3	<1.0
27						234.2	<1.0
28	247.0	2.7	360.0	35.0	14.91	235.2	<1.0
29	338.0	1.7	410.0	30.0		149.7	<1.0
30					10.77	335.9	<1.0
TOTAL					110.96	6766.7	
AVG.	477.7	3.5	451.1	12.22	13.87	225.6	
GEO MEAN							1.0
MAX DAY	620.0	8.4	650.0	35.0			1.0
% REMOVAL		99.3		97.3			
LANDFILL					8		

BISULFITE

MONTHLY TOTAL: 2,077

DAILY AVERAGE: 69

COMMENTS: Septage Gallons:203,200

Pease BOD and TSS Loading

Reporting Month: June

DATE	Influent Loading					Effluent Loading				
	Inf Flow Avg	Inf BOD Comp-24	Inf BOD lbs CAL	Inf TSS Comp-24	Inf TSS lbs CAL	Eff Flow Avg	Eff BOD Comp-24	Eff BOD lbs CAL	Eff TSS Comp-24	Eff TSS lbs CAL
	MGD	mg/l	lbs	mg/l	lbs	MGD	mg/l	lbs	mg/l	lbs
06/01/16	0.545	390.0	1772.7	500.0	2272.7	0.738	0.0	0.0	3.3	20.3
06/02/16	0.551					0.610				
06/03/16	0.548					0.679				
06/04/16	0.475					0.626				
06/05/16	0.434					0.533				
06/06/16	0.552					0.798				
06/07/16	0.547	390.0	1779.2	500.0	2281.0	0.636	0.0	0.0	4.7	24.9
06/08/16	0.534	390.0	1736.9	464.0	2066.5	0.638	0.0	0.0	2.2	11.7
06/09/16	0.514					0.814				
06/10/16	0.456					0.522				
06/11/16	0.324					0.504				
06/12/16	0.355					0.504				
06/13/16	0.461					0.619				
06/14/16	0.482	480.0	1929.5	620.0	2492.3	0.737	6.0	36.9	2.7	16.6
06/15/16	0.499	620.0	2580.2	477.0	1985.1	0.586	32.0	156.4	8.4	41.1
06/16/16	0.505					0.678				
06/17/16	0.467					0.646				
06/18/16	0.365					0.486				
06/19/16	0.367					0.492				
06/20/16	0.493					0.705				
06/21/16	0.517	370.0	1595.4	570.0	2457.7	0.608	7.0	35.5	4.9	24.8
06/22/16	0.496	650.0	2688.8	583.0	2411.7	0.743	0.0	0.0	1.3	8.1
06/23/16	0.508					0.674				
06/24/16	0.479					0.593				
06/25/16	0.342					0.493				
06/26/16	0.346					0.430				
06/27/16	0.443					0.697				
06/28/16	0.447	360.0	1342.1	247.0	920.8	0.606	35.0	176.9	2.7	13.6
06/29/16	0.487	410.0	1665.2	338.0	1372.8	0.717	30.0	179.4	1.7	10.2
06/30/16	0.471					0.700				
Average		451.1	1898.9	477.7	2028.9	Average	12.2	65.0	3.5	19.0
Max		650.0	2688.8	620.0	2492.3	Max	35.0	179.4	8.4	41.1

JUNE 2016

COLIFORM

	SUN	MON	TUE	WED	THU	FRI	SAT	AVG
WEEK 1	<1	<1	<1	<1	<1	<1	<1	1.0
WEEK 2	<1	<1	<1	<1	<1	<1	<1	1.0
WEEK 3	<1	<1	<1	<1	<1	<1	<1	1.0
WEEK 4	<1	<1	<1	<1	<1	<1	<1	1.0
WEEK 5								
BOD MG/							MAX	1.0

BOD MG/L

[illegible]

TSS MG/L

[illegible]

BOD LBS

[illegible]

TSS LBS

[illegible]